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August 11, 2010

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California Energy Commission
1516 Ninth Street
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pkramer@energy.state.ca.us

Re: *Calico Solar Project Data Request*
08-AFC-13

Ladies and gentleman:

Reference the Supplemental Staff Assessment, Part II, filed yesterday. Please provide us with copies of the reports, studies, and any and all underlying raw data on which the following is based:

1. "Staff has determined that any escaping or itinerant glint and glare that may affect the railroad engineer's ability to clearly and accurately see signals [sic] lights is mitigable through shielding, LED lights, or other means designed to increase the contrast and intensity of the signal light." Supplemental Staff Assessment, Part II, Traffic and Transportation, C.11-19.
2. The calculations behind the 223 foot offset from the roadway and the BNSF Right-of-Way. Staff Assessment, Part II, Traffic and Transportation, TRANS-7.II.4, C.11-37.

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RECD.	<u>AUG 11 2010</u>

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Additionally, please provide us with copies of the reports, studies, and any and all raw data on which the report entitled "Daytime Intrusive Brightness Analysis for Stirling Engine Solar Energy Systems," is based. Staff Assessment, Part II, Traffic and Transportation, Appendix A. In particular, please provide us with all materials and raw data on which the phenomenon of "Temporary Flash Blindness (After-Image)" and "Veiling Reflections and/or Distracting Glare" are based. Staff Assessment, Part II, Traffic and Transportation, Appendix A, A-7. Finally, please provide us with the raw data and calculations regarding retinal irradiance calculation prepared by C.K. Ho of Sandia Laboratories and referenced at Exhibit 3 of the Appendix. Staff Assessment, Part II, Traffic and Transportation, Appendix A, A-7.

On a related note, Ms. Bellows noted that there are one or more hydrology studies relating to the site that analyze the impact of run-off from the SunCatchers and the impact of the detention basins on such run-off. During the hearings last week, Mr. Alhabi referenced a SunCatcher field design layout that shows the actual locations of the 95 compressor units and each of the respective 34,000 SunCatchers are necessary in order to analyze a number of issues, including hydrology and hazardous materials/hydrogen system. Please confirm that Applicant's Submittal of Design of Project Compressor Groups is the document referenced by Mr. Alhabi. If not, please provide the document referenced by Mr. Alhabi.

Because the hearing is scheduled to resume on August 18th we need these materials as soon as possible in order to review and evaluate them with our client. Accordingly, please provide them no later than noon on August 13th. Electronic format is preferable.

Very truly yours,

S. A. Lamb

Steven A. Lamb

SAL:as

Enclosure

cc: Cynthia Burch



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV**

APPLICATION FOR CERTIFICATION

For the CALICO SOLAR (Formerly SES Solar One)

Docket No. 08-AFC-13

**PROOF OF SERVICE
(Revised 8/9/10)**

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DECLARATION OF SERVICE

I, Steven A. Lamb, declare that on August 11, 2010, I served and filed copies of the attached correspondence re: **Calico Solar Project Data Request**, dated August 11, 2010. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [www.energy.ca.gov/sitingcases/solarone].

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

(Check all that Apply)

FOR SERVICE TO ALL OTHER PARTIES:

- sent electronically to all email addresses on the Proof of Service list;
- by personal delivery;
- by delivering on this date, for mailing with the United States Postal Service with first-class postage thereon fully prepaid, to the name and address of the person served, for mailing that same day in the ordinary course of business; that the envelope was sealed and placed for collection and mailing on that date to those addresses **NOT** marked "email preferred."

AND

FOR FILING WITH THE ENERGY COMMISSION:

- sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

OR

- depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 08-AFC-13
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.

S. A. Lamb

Steven A. Lamb